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gave the specific name of *Serpentinus*, and described the points in which it differed from *E. platyurus* (Cope), a description of which had been given at a meeting of the Society nine years ago, and was published in its Transactions.

Professor Cope also communicated evidence of the existence of a new species of Mastodon in the United States, and proposed for it the specific name *M. tremontinus*.

Mr. Chase called attention to some experimental results, illustrating his 6th, 7th and 10th fundamental propositions of central force.

Professor Blazius read a paper entitled "The progress in Meteorology, and its tendency during the last twenty-five years; with some supplementary notes to a recent English work bearing that title.

Pending nominations 830, 831, 832, 833 and 834 were read.

And the meeting was adjourned.

Stated Meeting, March 16th, 1877.

Present, 12 members.

Vice-President, Mr. PRICE, in the Chair.

Mr. McKean a newly elected member was introduced to the presiding officer and took his seat.

Letters accepting membership were received from Prof. J. M. Hart, dated 228 S. Broad Street, Philadelphia, March 2d, 1877; and from Prof. F. Reuleaux, dated Berlin, Feb. 20, 1877.

Letters of acknowledgment were received from E. A. Barber, dated West Chester, Pa., March 12, 1877, (73, 75, 80); the Lenox Library, dated New York, March 14, 1877, (96, 98); and Prof. J. J. Stevenson, dated 314 W. Thirtieth Street, New York, March 7, 1877 (65 to 98).

A letter of envy was received from Prof. Daniel Kirk-

wood, dated Bloomington, Indiana, March 8th, 1877, with a MSS. communication.

Donations for the Library were received from the Royal Society, New South Wales; the Editors of the *Flora Batava*; the Royal Belgian Academy; the *Revue Politique*; the M. C. L., Cambridge, Mass.; Silliman's Journal; New Jersey Historical Society; Astor Library; Mr. E. A. Barber, Prof. P. Frazer, Jr., Dr. Hewson Bache; the Medical News; Journal of Pharmacy; Franklin Institute and Penn Monthly; War Department at Washington, and Don J. Ramon de Ybarrola, of Mexico.

A communication was read by the Secretary entitled, "On Eight Meteoric Fireballs, &c., by Daniel Kirkwood, Professor of Mathematics, Indiana University, Bloomington, Indiana."

Prof. Blazius continued the reading of his paper on "The tendency of modern meteorology."

Dr. Wood communicated a paper entitled "On the asserted antagonism of Nicotia and Strychnia, by Francis L. Haynes."

The Secretary communicated a paper entitled, "Notes on the results of a survey of the iron ore beds of the Juniata District of the Second Geological Survey of Pennsylvania by John H. Dewees."

Prof. Cope exhibited and described a cast of the brain cavity of *Coryphodon elephantopus*, of which a complete skeleton exists, and discussed the homologies of the organ, and showed that the genus to which the animal belongs properly constitutes a fourth sub-order of mammalia lower in type than the Marsupalia.

Pending nominations Nos. 830, 831, 832, 833, and 834 were read.

Prof. Chase offered the following preamble and resolutions, which were seconded, discussed and adopted :

Whereas, It is of the greatest importance that the investigation of natural phenomena, such as the origin and migrations of creatures, noxious

to agriculture, should be directed by disciplined men of science, of acknowledged ability and trustworthiness, and

Whereas, This Society has been informed that a vacancy may occur in the post of Commissioner of Agriculture in the Department of the Interior, and

Whereas, The name of our fellow member, and distinguished naturalist and entomologist, Dr. John L. LeConte, has been put forward for recommendation to the President for said appointment, therefore

Resolved, That this Society heartily endorse such recommendation.

Prof. Frazer offered the following resolution :

Resolved, That this Society recommend to its members in the presentation of papers containing references to length, weight and capacity, to add to such units as they may deem preferable, the metric units.

Dr. Rogers offered the following amendment :

And also, That those who may use the metrical system shall convert the same into the English.

The resolution and amendment were ordered to be published on the card of notice for the next meeting, and discussion on their merits was postponed.

The meeting was then adjourned.

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